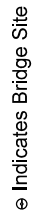


UPDATED 4-8-14



BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

COMMITMENT C: WATER SOURCE

The Contractor shall not withdraw water with equipment previously used outside the State of South Dakota without prior approval from the SDDOT Environmental Office. Thoroughly wash all construction equipment before entering South Dakota to reduce the risk of invasive species introduction into the project vicinity.

The Contractor shall not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

Action Taken/Required:

The Contractor shall obtain the necessary permits from the regulatory agencies such as the Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (COE) prior to executing water extraction activities.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

SCOPE OF WORK

Contractor shall furnish all necessary vehicles, equipment, supervision, labor, materials, tools, water, debris disposal and incidentals necessary to complete the work to the satisfaction of the Engineer. Work to be done consists of cleaning/sweeping bridge decks, adjacent approach slabs, and transverse joints located within the bridge deck and approach slabs. The cleaning/sweeping operation shall consist of removing all dirt, mud, silt, sand, paper, rocks, cans, glass, dead animal carcasses, tire retreads, vehicle parts and other debris. Unforeseen conditions, such as weather, can bring unusual amounts of debris to bridge sites. Removal of all debris regardless of scope and magnitude is the responsibility of Contractor.

Contractor shall be required to provide specialized heavy equipment such as sweepers, haul trucks and air compressors to remove debris, sand, mud and silt from bridge sites as indicated in Contract.

For each bridge site the Contractor shall perform a cleaning/sweeping twice during the terms of this contract. The first cleaning/sweeping shall be conducted during the months of April and May. The second cleaning/sweeping shall be conducted during the months of September and October.

GENERAL REQUIREMENTS

Contractor shall evaluate actual bridge site characteristics before submitting a bid. It is the intent of this Contract to provide for cleaning and sweeping of all bridge decks, adjacent approach slabs, and transverse joints located within the bridge deck and approach slabs within the areas described herein.

The TABLE OF BRIDGES (Attachment 1) contained within these plans provides the list of bridge sites that require cleaning/sweeping. This table also provides information on bridge length, width and size of approach slabs. Not all bridges contain approach slabs. The cover map(s) provide a general idea of bridge site locations.

Contractor shall comply with all Federal, State, County and local regulations, including disposal of debris collected.

All work shall be accomplished during daylight hours.

Equipment and vehicles shall not be stored in the highway Right-of-Way.

Approach Slabs as defined for this contract are reinforced concrete slabs located at each end of the bridge deck. Approach slabs typically have curbs located along the edges of the slab. The length of approach slabs varies in length and in some cases, consist of 2 slabs. The end of an approach slab is typically defined by a wide joint of over 6 inches or 2 joints located within approximately 2 feet between the joints.

CLEANING SCHEDULE

The Contractor shall provide the Engineer a cleaning schedule for the current week, no later than 10AM Monday. The Contractor shall provide the Engineer a phone number to be able to contact the onsite Foreman of the crew during working hours.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

TRAFFIC CONTROL

For a 2 lane roadway with traffic in opposing directions, traffic control shall be as per Standard Plate 634.23. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON A 2 LANE ROADWAY contained within this document.

For a 4 lane divided roadway, traffic control shall be as per Standard Plate 634.64. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON DIVIDED 4-LANE ROADWAY contained within this document.

For a 4 lane undivided roadway, traffic control shall be as per Standard Plate 634.47. As an alternate, the Contractor may use the traffic control plan MOBILE SWEEPING OPERATIONS ON DIVIDED 4-LANE ROADWAY contained within this document.

Vehicles and equipment working in traffic or alongside traffic shall be equipped with a flashing amber light visible from all directions at a minimum distance of 1/2 mile. The amber light shall be mounted on the uppermost part of the Contractor's vehicle. Lights must flash at 75 ± 15 flashes per minute. The sweeper shall have lights, meeting the aforementioned requirements, at the front and back of the equipment. Vehicle flasher/hazard lights are not acceptable.

SWEEPING REQUIREMENTS

Sweeping areas will include all curb lines along both sides of the bridge deck and approach slabs, or to the edge of the pavement where no curbs exist, along all curbs on raised medians, and over all portions of painted medians. Contractor is responsible for sweeping from the marked white or yellow edge line to the edge of bridge deck or approach slab regardless of the width. If there are no marked white or yellow edge lines, a minimum width of 5 feet shall be swept along the edges of the bridge deck or approach slab.

Effort beyond a mechanical sweeper may be required to loosen harden and packed material on the surface and along the curb face.

Sweeping will be accomplished in the same direction as traffic flow at all times.

Contractor will make every reasonable effort to minimize streaks left by sweepers.

At least 2 passes of the sweeper shall be made over areas that require sweeping. The total number of passes required will vary based upon the width of sweeping required and the width of the sweeper used.

Sweeping operations shall extend at least 50 feet beyond both ends of the approach slab, or end of bridge deck if no approach slab is present. There should be no ridge or pile of material left on the roadway or shoulder surface at the end of the sweeping operations.

JOINT CLEANING REQUIREMENTS

Transverse joint openings located on the bridge deck and approach slabs shall be cleaned of debris with compressed air, or other methods approached by the Engineer. Joint cleaning shall be accomplished at the same time as sweeping of the bridge deck and approach slabs. Debris shall not be blown over the edge of the deck onto the underlying roadway or waterway channel. The entire length of the joint shall be cleaned.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

BRIDGE CLEANING EXCEPTIONS

The bridge within the City of Aberdeen on US12 does not require cleaning.

DISPOSAL

All refuse materials and debris collected shall become the property of the Contractor and shall be properly disposed of.

NO "on road" storage or dumping shall be permitted.

EQUIPMENT

All equipment shall be adequately maintained both mechanically and visually, and will be fully operational during all sweeping operations.

All equipment shall be properly registered and insured according to motor vehicles laws of the state of South Dakota.

All units shall be clearly and prominently marked with Contractor's company name.

- **AIR COMPRESSOR**

Compressor shall have a rated pressure of 100 psi with a minimum pressure level of 80 psi. Compressor shall be capable of delivering a minimum of 180 CFM.

- **SWEeper**

Sweeper shall be a mechanical, or broom sweeper, utilize a main broom and side broom for picking up debris, which is then sent to a conveyor and ultimately lands in a debris body, or hopper. Minimum width of main broom shall be 54 inches. Sweeper shall have a working left and right side brooms.

- **SWEeper BRUSH/BROOM REPLACEMENT**

Worn brushes and brooms shall be replaced and adjusted to insure maximum efficiency.

- a. Six (6) inches on the gutter brushes;
- b. As required on trash direction brush;
- c. Six (6) inches on the main broom.

These shall be minimum criteria and final determination shall be on the effectiveness of all brushes and brooms.

DUST CONTROL

Contractor shall use all reasonable methods to minimize dust emissions during the performance of this Contract. Contractor will not create dust in such a quantity to create a nuisance, danger, or impair visibility.

Spraying of water during sweeping operations may be required to control dust.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

PERFORMANCE

Primary objectives of the cleaning/sweeping program are:

- Remove debris buildup to reduce infiltration of roadway deicers into concrete.
- Prevent debris from enter storm drains and bridge deck drains.
- Prevent debris from entering waterways.
- Maintain gutter flow lines free of debris for free flow of water.
- Maintain a state of cleanliness for safety and acceptable to travelers.

Sweeping shall normally consist of a pass (or passes) over an area. Contractor will make as many passes or such extra effort as may be required to adequately clean the bridge deck and approach slabs. Obstructions such as accumulations of silt, compacted dirt, leaves and similar debris shall be removed. Items such as small tree limbs, dead animal carcasses, tire retreads, vehicle parts and rocks may require removal prior to sweeping with a mechanical sweeper.

Inspections shall be performed on a regular basis, as well as spot checks and response to complaints.

Engineer shall decide adequacy of cleaning/sweeping.

In the event that the results of a cleaning/sweeping are considered to be unsatisfactory, Contractor shall re-clean/sweep unsatisfactory area(s) at Contractor's expense within 10 days after notification.

SDDOT reserves the right to withhold payment for missed, incomplete or unsatisfactory sweeping performance.

DEFICIENT PERFORMANCE

Liquidated Damages shall be applied to deficient performance and/or late completion.

Repeated instances of failure to perform shall result in cancellation of the Contract.

RECORD KEEPING

Contractor shall complete RECORD OF BRIDGE CLEANING (Attachment 2) contained within the contract. Contractor shall document arrival time at each bridge site, start and finish time of sweeping operations, number of passes made with sweeper, and departure time from each bridge site. Payment for services will not be made until document is completed and submitted to Engineer. Recording keeping shall be kept up to date at all times and records shall be made available to Engineer at any time.

BASIS OF MEASUREMENT AND PAYMENT

All costs for equipment, materials, labor and incidentals to clean/sweep shall be incidental to the contract unit price per site for MISCELLANEOUS WORK. A cleaning/sweeping during the months of April and May shall constitute 1 site payment and the second cleaning/sweeping on September and October shall constitute 1 site payment. The cost for disposal of all refuse materials and debris, including dump fees, shall be included in the contract unit price per site for MISCELLANEOUS WORK.

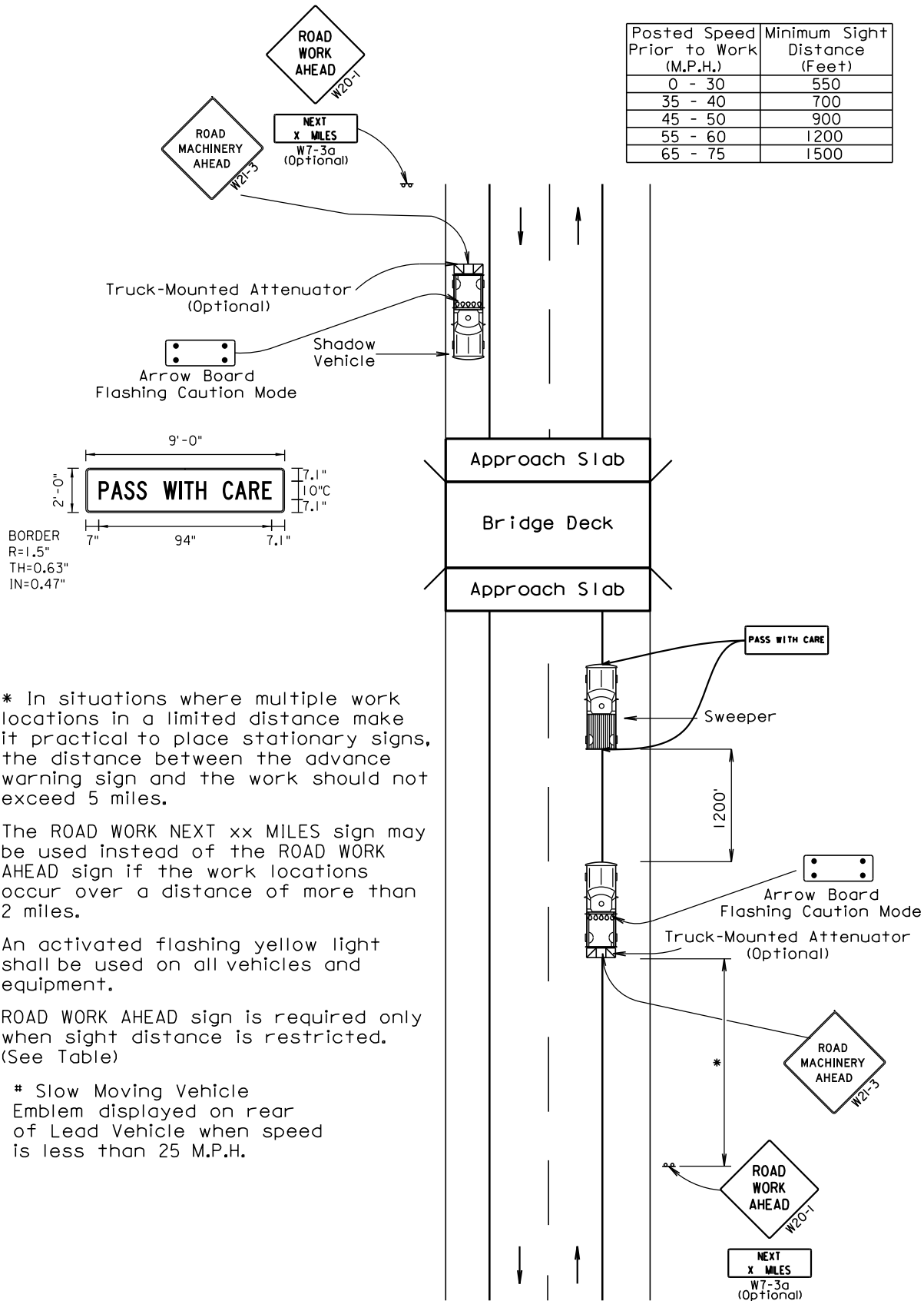
All costs for shadow vehicles, traffic control signs, arrow boards, flaggers, impact attenuators and other safety devices shall be incidental to the contract lump sum price for TRAFFIC CONTROL, MISCELLANEOUS.

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

MOBILE SWEEPING OPERATIONS ON A 2-LANE ROADWAY

Posted Speed Prior to Work (M.P.H.)	Minimum Sight Distance (Feet)
0 - 30	550
35 - 40	700
45 - 50	900
55 - 60	1200
65 - 75	1500



BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

MOBILE SWEEPING OPERATIONS ON A DIVIDED 4-LANE ROADWAY

* In situations where multiple work locations in a limited distance make it practical to place stationary signs, the distance between the advance warning sign and the work should not exceed 5 miles.

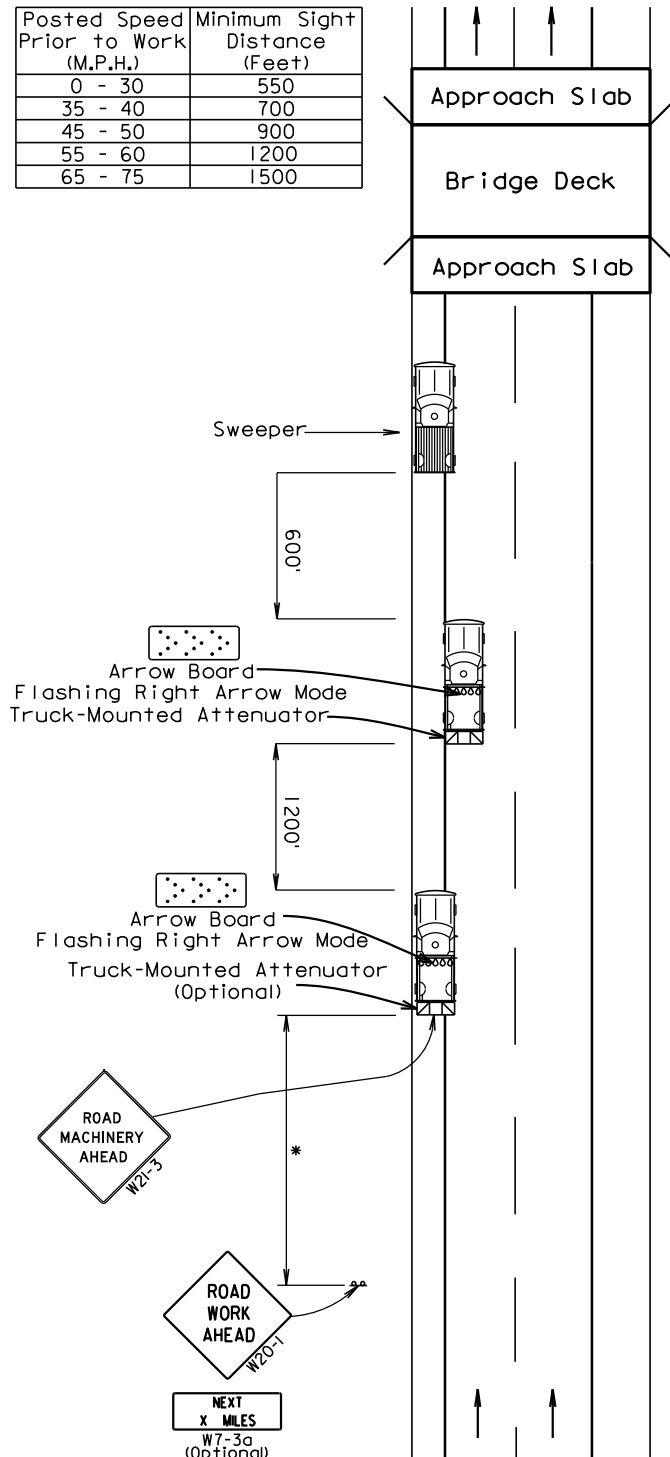
The ROAD WORK NEXT xx MILES sign may be used instead of the ROAD WORK AHEAD sign if the work locations occur over a distance of more than 2 miles.

An activated flashing yellow light shall be used on all vehicles and equipment.

ROAD WORK AHEAD sign is required only when sight distance is restricted. (See Table)

* Slow Moving Vehicle Emblem displayed on rear of Lead Vehicle when speed is less than 25 M.P.H.

Posted Speed Prior to Work (M.P.H.)	Minimum Sight Distance (Feet)
0 - 30	550
35 - 40	700
45 - 50	900
55 - 60	1200
65 - 75	1500



BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

MOBILE SWEEPING OPERATIONS ON A DIVIDED 4-LANE ROADWAY

* In situations where multiple work locations in a limited distance make it practical to place stationary signs, the distance between the advance warning sign and the work should not exceed 5 miles.

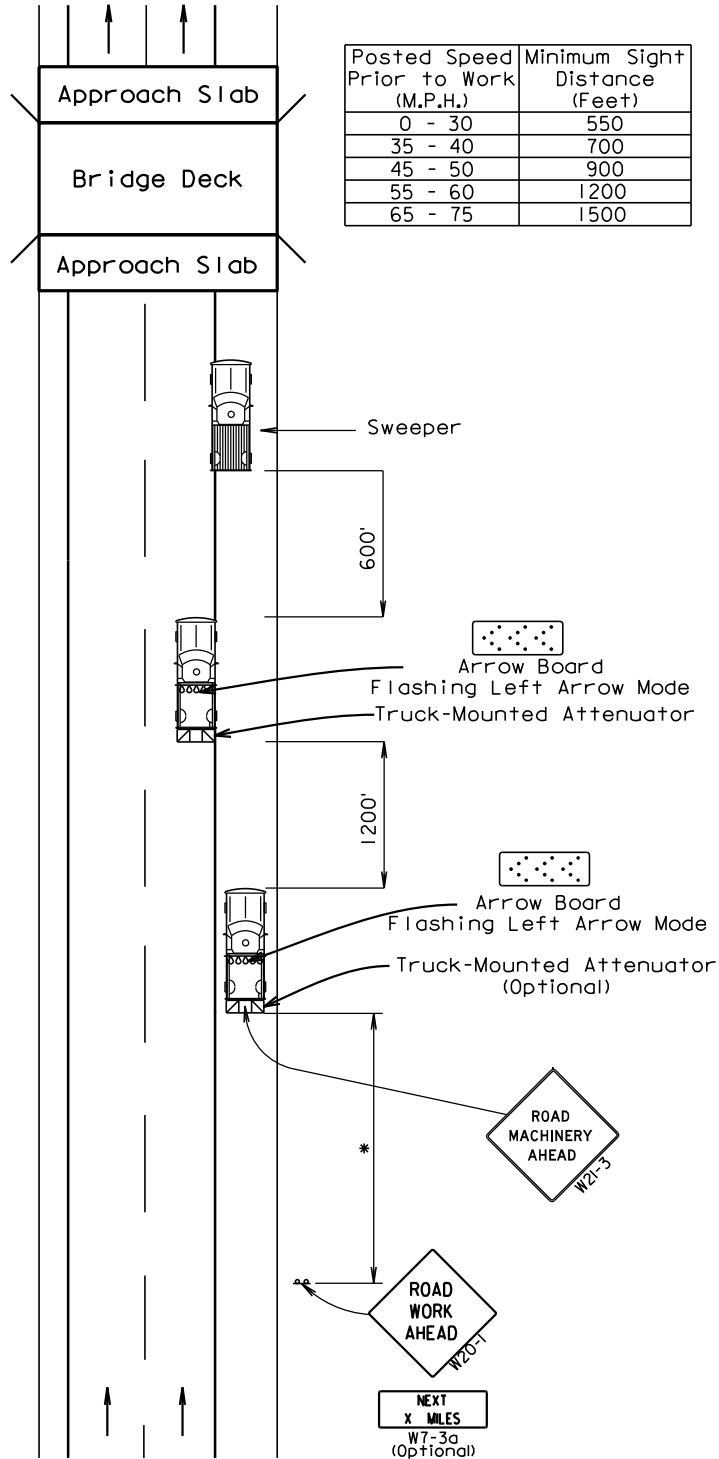
The ROAD WORK NEXT xx MILES sign may be used instead of the ROAD WORK AHEAD sign if the work locations occur over a distance of more than 2 miles.

An activated flashing yellow light shall be used on all vehicles and equipment.

ROAD WORK AHEAD sign is required only when sight distance is restricted. (See Table)

* Slow Moving Vehicle Emblem displayed on rear of Lead Vehicle when speed is less than 25 M.P.H.

Posted Speed Prior to Work (M.P.H.)	Minimum Sight Distance (Feet)
0 - 30	550
35 - 40	700
45 - 50	900
55 - 60	1200
65 - 75	1500



BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Spacing of Channelizing Devices (Feet) (G)
0 - 30	200	25
35 - 40	350	25
45	500	25
50	500	50
55	750	50
60 - 65	1000	50

- Flagger
- Channelizing Device

For low-volume traffic situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger may be used.

The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short duration operations (1 hour or less).

For tack and/or flush seal operations, when flaggers are not being used, the FRESH OIL sign (W21-2) shall be displayed in advance of the liquid asphalt areas.

Flashing warning lights and/or flags may be used to call attention to the advance warning signs.

The channelizing devices shall be drums or 42" cones.

Channelizing devices are not required along the centerline adjacent to work area when pilot cars are utilized for escorting traffic through the work area.

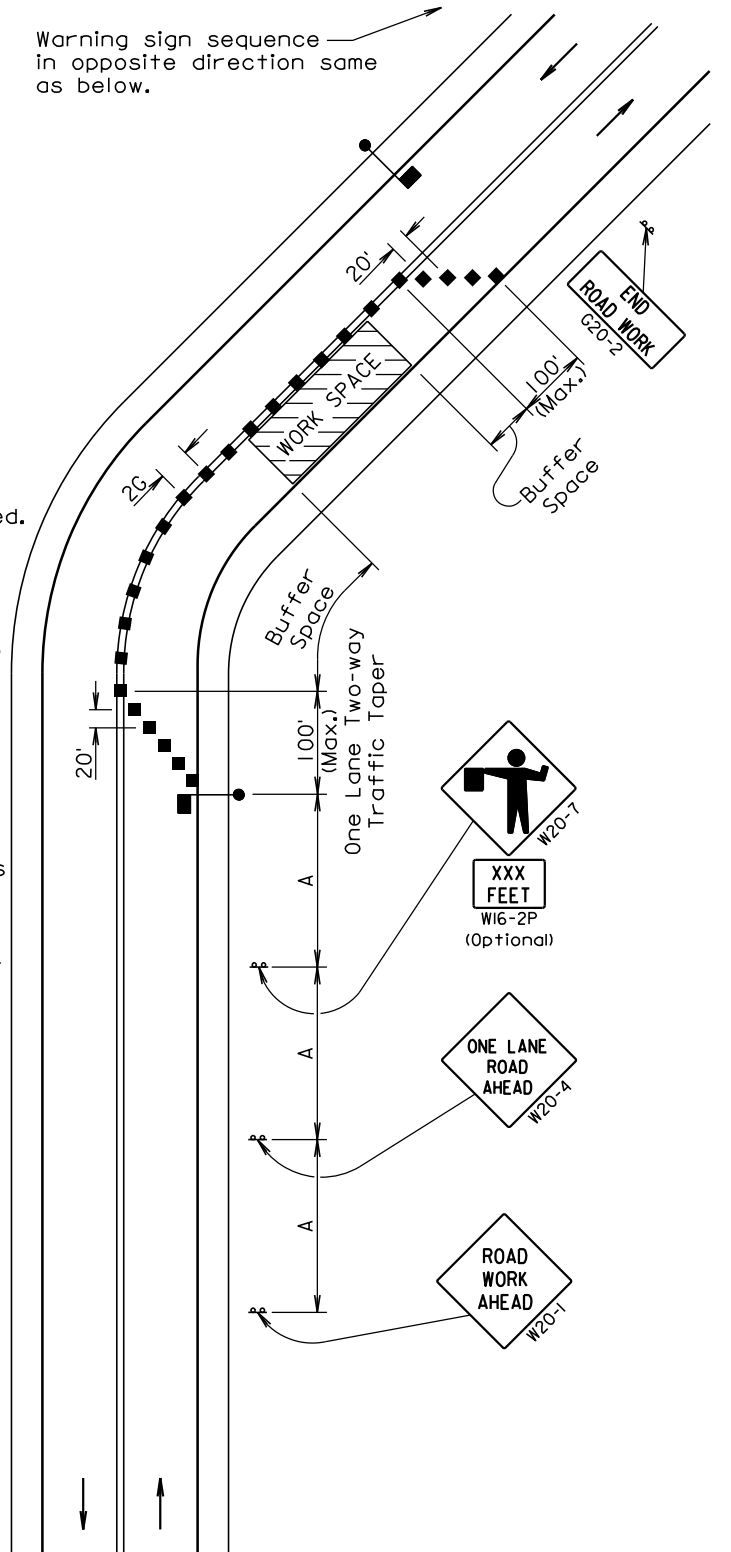
END ROAD WORK
G20-2

Channelizing devices and flaggers shall be used at intersecting roads to control intersecting road traffic as required.

The buffer space should be extended so that the two-way traffic taper is placed before a horizontal or vertical curve to provide adequate sight distance for the flagger and queue of stopped vehicles.

The length of A may be adjusted to fit field conditions.

Warning sign sequence in opposite direction same as below.



June 3, 2016

Published Date: 4th Qtr. 2017

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**GUIDES FOR TRAFFIC CONTROL DEVICES
LANE CLOSURE WITH FLAGGER PROVIDED**

PLATE NUMBER
634.23

Sheet 1 of 1

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Taper Length (Feet) (L)	Spacing of Channelizing Devices (Feet) (G)
0 - 30	200	180	25
35 - 40	350	320	25
45	500	600	25
50	500	600	50 *
55	750	660	50 *
60 - 65	1000	780	50 *

* Spacing is 40' for 42" cones.

⊙ Reflectorized Drum

■ Channelizing Device

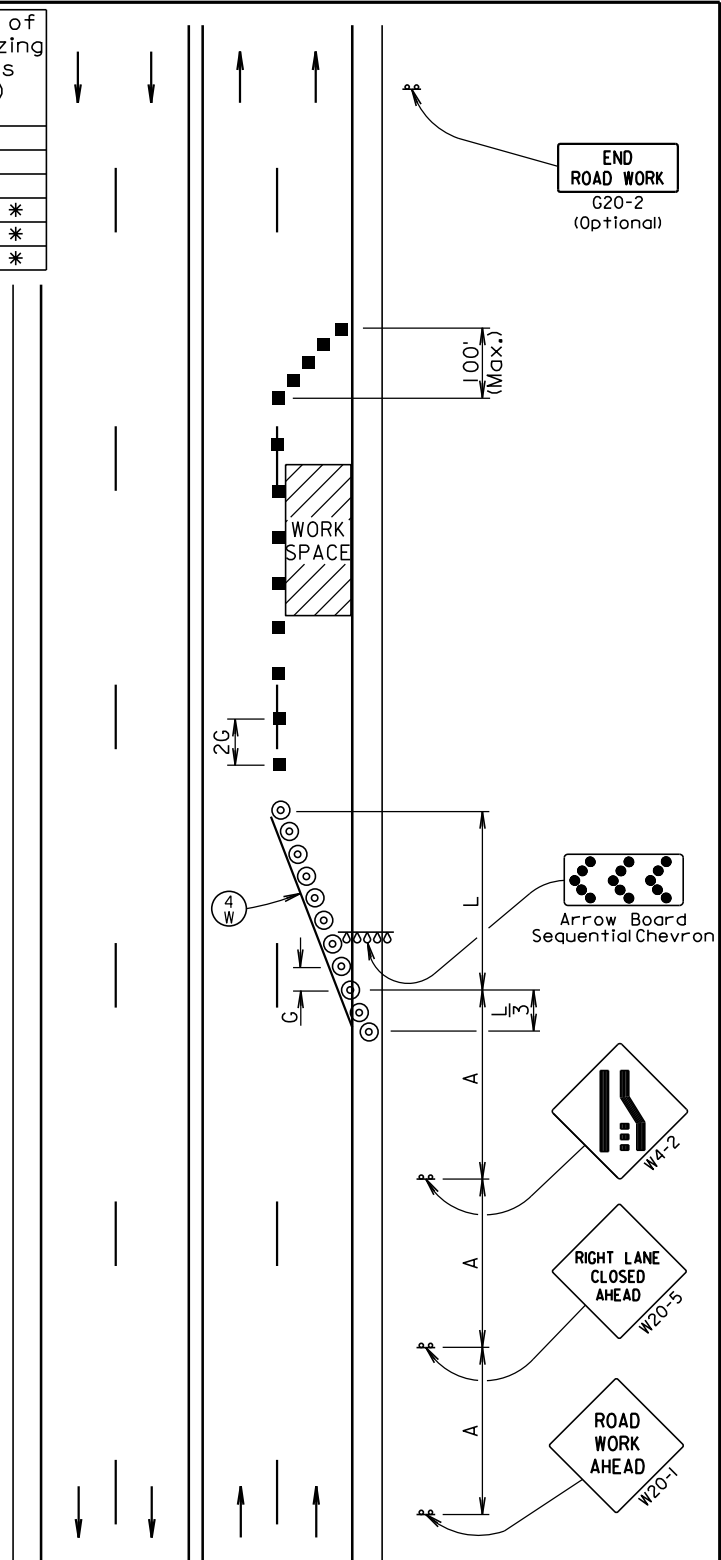
④ W 4" White Temporary Pavement Marking

The channelizing devices shall be 42" cones or drums.

42" cones may be used in place of the drums shown in the taper if setup will not be used during night time hours.

Temporary pavement markings shall be used if traffic control must remain overnight.

The length of A and L may be adjusted to fit field conditions.



June 3, 2016

Published Date: 4th Qtr. 2017

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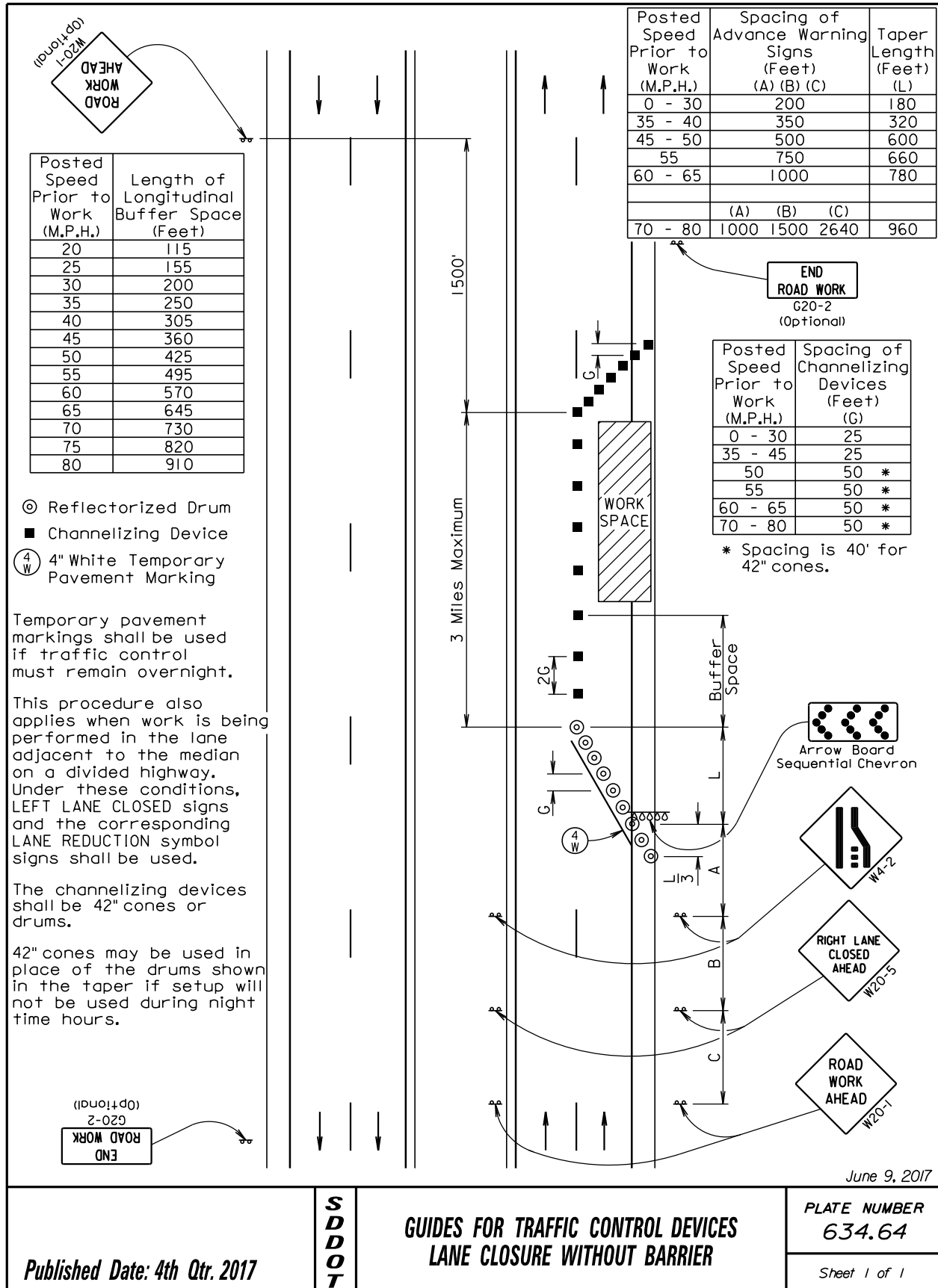
**GUIDES FOR TRAFFIC CONTROL DEVICES
4-LANE UNDIVIDED, RIGHT LANE CLOSED**

PLATE NUMBER
634.47

Sheet 1 of 1

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES



June 9, 2017

Published Date: 4th Qtr. 2017

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**GUIDES FOR TRAFFIC CONTROL DEVICES
LANE CLOSURE WITHOUT BARRIER**

PLATE NUMBER
634.64

Sheet 1 of 1

TABLE OF BRIDGES

Attachment 1

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Route	MRM	Structure Number	Location	Structure Length (Ft)	Bridge Roadway Width (Ft)	Deck Area (SF)	Skew Angle	Approach Quantity (SF)	Approach Joint Quantity (LF)	Deck Joint Quantity (LF)
SD 10	260.74	45-394-150	1.4 E of Jct SD 10 E & SD 45 S	74	30	2220	0			
SD 10	265.94	45-447-150	6.6 E of Jct SD 10 E & SD 45 S	117	30	3510	0			
SD 10	273.44	07-041-150	5.8 W of Jct SD 10 & US 281	133.5	30	4005	0			
SD 10	276.45	07-071-150	2.9 W of Jct SD 10 & US 281	238.5	30	7155	0			33
SD 10	294.54	07-223-120	2.7 W of Houghton	242	30	7260	0			
SD 10	316.7	46-065-100	4.6 W of Jct SD 10 W & SD 27 S	53.67	30	1610.1	0			
SD 20	295.63	25-270-049	0.8 S of Jct SD 20 W & SD 45 N	86.5	40	3460	0			
SD 20	299.51	25-298-060	2.8 E of Jct SD 20 E & SD 45	105.5	30	3165	0			
SD 20	313.69	58-021-060	2.1 E of Faulk County Line	140	30	4200	0			
SD 20	314.97	58-033-060	3.3 E of Faulk County Line	117	30	3510	0			
SD 20	315.95	58-043-060	4.3 E of Faulk County Line	117	30	3510	0			
SD 20	319.56	58-079-060	2.1 W of Jct SD 20 & US 281	54	30	1620	0			
SD 25	209.7	46-276-174	2.5 S of Jct SD 10 W & SD 25 S	105.5	30	3165	0			
SD 27	204.05	19-070-089	8.9 S of Marshall County Line	93	36	3348	0			
SD 27	208.37	19-070-046	4.7 S of Marshall County Line	163	36	5868	0			
SD 27	214.54	46-079-230	0.3 E of Langford	94.11	36	3387.96	50			
SD 27	228.45	46-110-123	2.3 S of Jct SD 10 W & SD 27 S	86.5	38	3287	0	2790	80	
SD 27	241.16	46-170-055	4.5 N of Jct SD 10 E & SD 27 N	128.5	30	3855	0			
SD 37	189.14	58-300-043	1.8 N of Jct SD 20 W & SD 37 N	54	30	1620	0			
SD 37	192.31	58-300-011	1.1 S of Brown County Line	106	30	3180	0			
SD 37	196.31	07-300-451	2.9 N of Verdon	106	30	3180	0			
SD 37	201.01	07-300-405	7.4 S of Jct US 12 & SD 37	54	30	1620	0			
SD 37	206.08	07-300-353	2.3 S of Jct US 12 & SD 37	54	30	1620	0			
SD 37	224.6	07-300-169	7.0 S of Jct SD 10 & SD 37	117	30	3510	0			

TABLE OF BRIDGES

BRIDGE CLEANING

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

Route	MRM	Structure Number	Location	Structure Length (Ft)	Bridge Roadway Width (Ft)	Deck Area (SF)	Skew Angle	Approach Quantity (SF)	Approach Joint Quantity (LF)	Deck Joint Quantity (LF)
SD 45	149.67	25-270-136	1.0 N of Jct US 212 W & SD 45 N	155	40	6200	0	1715	84	
US 12	248.51	23-186-100	0.5 E of Roscoe	290.26	40	11610.4	40			
US 12	269.88	23-398-100	6.7 E of Ipswich	73.5	44	3234	0	1879	92	
US 12	276.75	23-465-105	at Mina	249.17	44	10963.5	45	3591		132
US 12	278.45	07-001-346	0.1 E of Edmunds County Line	145	44	6380	0	1879	92	
US 12 E	287.89	07-093-332	0.7 W of Jct US 12 & US 281	128.5	38	4883	0	1633	80	
US 12 E	301.22	07-222-330	12.2 E of Jct US 12 & US 281	240.07	40	9602.8	15	2189	84	
US 12 E	305.88	07-267-330	3.2 W of Jct US 12 & SD 37	433.26	36	15597.4	40			
US 12 W	287.89	07-093-331	0.7 W of Jct US 12 & US 281	128.5	38	4883	0	1633	80	
US 12 W	301.2	07-222-329	12.2 E of Jct US 12 & US 281	240.07	40	9602.8	15	2844	84	
US 12 W	305.76	07-267-329	3.2 W of Jct US 12 & SD 37	830.5	40	33220	0	1715	84	86
US 212	266.15	25-210-144	1.0 W of Faulkton	122	30	3660	0			
US 281	193.08	07-100-342	1.1 S of Jct US 12 & US 281	151.81	72	10930.3	30	4999	148	
US 281	194.47	07-100-328	0.2 N of Jct US 12 & US 281	318.17	52	16544.8	0	2155		110
US 281	210.44	07-100-188	3.7 S of Jct SD 10 W & US 281	291.5	30	8745	0			33
US 281	220.67	07-100-086	3.5 N of Jct SD 10 E & US 281	150.5	40	6020	0	1715	84	
US 281 N	185.44	07-101-418	8.8 S of Jct US 12 & US 281	155	38	5890	0	1633	80	
US 281 N	187.65	07-101-397	6.7 S of Jct US 12 & US 281	172.44	38	6552.72	35	2374	80	
US 281 S	185.44	07-100-418	8.8 S of Jct US 12 & US 281	155	38	5890	0	1633	80	
US 281 S	187.65	07-100-397	6.7 S of Jct US 12 & US 281	172.44	38	6552.72	35	2374	80	

BRIDGE CLEANING

Attachment 2

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

RECORD OF BRIDGE CLEANING

ROUTE	MRM	STR. NO.	Arrival Date and Time	Time Sweeping Started	Time Sweeping Ended	Departure Time

Contractor Signature

Date

BRIDGE CLEANING

Attachment 2
(Example)

BROWN, DAY, EDMUNDS, FAULK, MCPHERSON, MARSHALL, AND SPINK COUNTIES

RECORD OF BRIDGE CLEANING

ROUTE	MRM	STR. NO.	Arrival Date and Time	Time Sweeping Started	Time Sweeping Ended	Departure Time
<i>(Example entry)</i>						
SD 28	123.57	12-224-558	4/6/18	4:05 PM	4:30 PM	4:40 PM
			3:35 PM			
<i>(Example entry when doing multiple bridges on divided highway)</i>						
I-29 N B & SB	Exit 140 to Exit 150	6 bridges total	4/10/18	8:20 AM	10:30 AM	10:45 AM
			7:50am			
<div>Contractor Signature</div> <div>Date</div>						